

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-16 (cancelled)

17. (new) Fuel cell supported on the electrode side, comprising an anode, electrolyte and cathode, the electrode support comprising a porous part made of an alloy with iron and chromium, said electrode support being a cathode support and said cathode, electrolyte and anode are successively applied thereon and the combination obtained is sintered.

18. (new) Fuel cell according to Claim 17, wherein said cathode support comprises a sintered powder.

19. (new) Fuel cell according to Claim 17, wherein the electrolyte has a thickness of less than 10 μ m.

20. (new) Fuel cell according Claim 17, wherein the anode comprises nickel/nickel oxide.

21. (new) Fuel cell according to Claim 17, wherein the cathode comprises LSM material.

22. (new) Fuel cell according to Claim 17, wherein said cathode support comprises Fe-Cr or Fe-Cr-Al material.

23. (new) Fuel cell according to Claim 17, equipped to be provided with air on the cathode side.

24. (new) Fuel cell according to Claim 17, wherein the anode has a thickness of less than 50 μ m.

25. (new) Method for the production of a metal-supported fuel cell, comprising the provision of a metallic support comprising at least iron or chromium, the successive application thereon of an electrode, electrolyte and other electrodes, a cathode being applied to said metallic support and the combination obtained is sintered at a temperature between 2000 and 1200°C.

26. (new) Method according to Claim 25, wherein said cathode support is obtained by sintering a powder.

27. (new) Method according to Claim 26, wherein said powder is cast in the form of a suspension and then sintered.

28. (new) Method according to Claim 25, wherein said application of said cathode comprises a printing technique.

29. (new) Method according to Claim 25, wherein the application of the electrolyte to said cathode comprises spin coating.

30. (new) Method according Claim 25, wherein said anode comprises nickel/nickel oxide.

31. (new) Method according to Claim 25, wherein said cathode support comprises stainless steel.

32. (new) Method according to Claim 26, wherein said powder has a particle size of less than 150 μm .